

REMARKS

Claims 1-30 have been cancelled, without prejudice or disclaimer. New claims 31-59 have been added. No new matter has been added. Claims 31-59 are pending.

Claims 31-59 are Allowable

The Office has rejected claims 1-17, 19, 20 and 22-29, at paragraph 4 of the Office Action, under 35 U.S.C. §102, as being anticipated by U.S. Patent No. 6,075,576 (“Tan”). Applicant(s) respectfully traverse the rejections.

The Office has rejected claims 18, 21 and 30, at paragraph 7 of the Office Action, under 35 U.S.C. §103, as being unpatentable over Tan in view of U.S. Patent App. Pub. No. 2003/0039311 (“Ohira”). Applicant(s) respectfully traverse the rejections.

Claims 1-30 have been cancelled, without prejudice or disclaimer, rendering the rejections of claims 1-30 moot. New claims 31-59 have been added. No new matter has been added. New claims 31-59 are patentable over Tan and Ohira, individually or in combination.

Claims 31-35

The cited portions of Tan and Ohira fail to disclose or suggest the specific combination of claim 31. For example, the cited portions of Tan and Ohira do not disclose storing a first order number indicating an encoded order of a first P-VOP at a P-VOP queue, wherein the encoded order indicates an order in which the first P-VOP was encoded relative to a plurality of other VOPs, as in claim 31.

In contrast to claim 31, Tan discloses a method of encoding a two part local time base embedded in compressed data. *Tan*, Abstract. The encoding method of Tan uses a modulo time base to represent a coarse resolution of a local time base. *Tan*, col. 5, lines 1-4. The modulo time base does not disclose or suggest storing a first order number indicating an encoded order of the first P-VOP at a P-VOP queue, wherein the encoded order indicates an order in which the first P-VOP was encoded relative to a plurality of other VOPs. Rather, the modulo time base is a

synchronization mechanism to increment the local time base of a VOP. *Tan*, col. 5, lines 6-10. Further, the modulo time base is placed in an encoded bit stream to indicate that the VOP time increments that follow are to be reset. *Tan*, col. 5, lines 6-10. The cited portions of Tan do not disclose storing a first order number indicating an encoded order of the first P-VOP at a P-VOP queue, wherein the encoded order indicates an order in which a first P-VOP was encoded relative to a plurality of other VOPs, as in claim 31.

In contrast to claim 31, Ohira discloses an image processing system and methods of searching for a motion vector at higher speeds and more conveniently than conventional motion vector searching methods. *Ohira*, paragraph [0010]. The cited portions of Ohira do not disclose storing a first order number indicating an encoded order of the first P-VOP at a P-VOP queue, wherein the encoded order indicates an order in which the first P-VOP was encoded relative to a plurality of other VOPs, as in claim 31. Hence, claim 31 is allowable.

Claims 32-35 depend from claim 31, which Applicants have shown to be allowable. Hence, the cited portions of Tan and Ohira fail to disclose at least one element of each of claims 32-35. Accordingly, claims 32-35 are also allowable, at least by virtue of their dependence from claim 31.

Claims 36-48

The cited portions of Tan and Ohira fail to disclose or suggest the specific combination of claim 36. For example, the cited portions of Tan and Ohira do not disclose storing an order number of a decoded video object plane (VOP) at a predictive coded VOP (P-VOP) queue when a received VOP is a P-VOP, as in claim 36.

In contrast to claim 36, Tan discloses a method of encoding a two part local time base embedded in compressed data. *Tan*, Abstract. The encoding method of Tan uses a modulo time base to represent a coarse resolution of a local time base. *Tan*, col. 5, lines 1-4. The modulo time base does not disclose or suggest storing an order number of a decoded video object plane (VOP) at a predictive coded VOP (P-VOP) queue when a received VOP is a P-VOP. Rather, the modulo time base is a synchronization mechanism to increment the local time base of a VOP.

Tan, col. 5, lines 6-10. Further, the modulo time base is placed in an encoded bit stream to indicate that the VOP time increments that follow are to be reset. *Tan*, col. 5, lines 6-10. The cited portions of Tan do not disclose storing an order number of a decoded VOP at a P-VOP queue when a received VOP is a P-VOP, as in claim 36.

In contrast to claim 36, Ohira discloses an image processing system and methods of searching for a motion vector at higher speeds and more conveniently than conventional motion vector searching methods. *Ohira*, paragraph [0010]. The cited portions of Ohira do not disclose storing an order number of a decoded VOP at a P-VOP queue when a received VOP is a P-VOP, as in claim 36. Hence, claim 36 is allowable.

Claims 37-48 depend from claim 36, which Applicants have shown to be allowable. Hence, the cited portions of Tan and Ohira fail to disclose at least one element of each of claims 37-48. Accordingly, claims 37-48 are also allowable, at least by virtue of their dependence from claim 36.

Claims 49-59

The cited portions of Tan and Ohira fail to disclose or suggest the specific combination of claim 49. For example, the cited portions of Tan and Ohira do not disclose control logic to form a VOP display order of an incoming VOP, wherein when the incoming VOP is a P-VOP, the incoming VOP is assigned to a location at a P-VOP queue, and wherein when the incoming VOP is not a P-VOP, the incoming VOP is assigned to a next available location of a display ordered read queue, as in claim 49.

In contrast to claim 49, Tan discloses a method of encoding a two part local time base embedded in compressed data. *Tan*, Abstract. The encoding method of Tan uses a modulo time base to represent a coarse resolution of a local time base. *Tan*, col. 5, lines 1-4. The modulo time base is a synchronization mechanism to increment the local time base of a VOP. *Tan*, col. 5, lines 6-10. Further, the modulo time base is placed in an encoded bit stream to indicate that the VOP time increments that follow are to be reset. *Tan*, col. 5, lines 6-10. Thus, the cited portions of Tan do not disclose control logic to form a VOP display order of an incoming VOP,

wherein when the incoming VOP is a P-VOP, the incoming VOP is assigned to a location at a P-VOP queue, and wherein when the incoming VOP is not a P-VOP, the incoming VOP is assigned to a next available location of a display ordered read queue, as in claim 49.

In contrast to claim 49, Ohira discloses an image processing system and methods of searching for a motion vector at higher speeds and more conveniently than conventional motion vector searching methods. *Ohira*, paragraph [0010]. The cited portions of Ohira do not disclose control logic to form a VOP display order of an incoming VOP, wherein when the incoming VOP is a P-VOP, the incoming VOP is assigned to a location at a P-VOP queue, and wherein when the incoming VOP is not a P-VOP, the incoming VOP is assigned to a next available location of a display ordered read queue, as in claim 49. Hence, claim 49 is allowable.

Claims 50-59 depend from claim 49, which Applicants have shown to be allowable. Hence, the cited portions of Tan and Ohira fail to disclose at least one element of each of claims 50-59. Accordingly, claims 50-59 are also allowable, at least by virtue of their dependence from claim 49.

CONCLUSION

Applicants have pointed out specific features of the claims not disclosed, suggested, or rendered obvious by the cited portions of the references applied in the Office Action. Accordingly, Applicants respectfully request reconsideration and withdrawal of each of the objections and rejections, as well as an indication of the allowability of each of the pending claims.

Any changes to the claims in this response which have not been specifically noted to overcome a rejection based upon the prior art, should be considered to have been made for a purpose unrelated to patentability, and no estoppel should be deemed to attach thereto.

The Examiner is invited to contact the undersigned attorney at the telephone number listed below if such a call would in any way facilitate allowance of this application.

The Commissioner is hereby authorized to charge any fees, which may be required, or credit any overpayment, to Deposit Account Number 50-2469.

Respectfully submitted,

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